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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,733	10/30/2003	Jignesh Shah	15436.250.28.1	7719
22913	7590	09/20/2007	EXAMINER	
WORKMAN NYDEGGER			PAK, SUNG H	
60 EAST SOUTH TEMPLE				
1000 EAGLE GATE TOWER			ART UNIT	
SALT LAKE CITY, UT 84111			PAPER NUMBER	
			2874	
			MAIL DATE	
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			09/20/2007	
			PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

b

Office Action Summary	Application No. 10/697,733	Applicant(s) SHAH ET AL.	
	Examiner Sung H. Pak	Art Unit 2874	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5, 7, 8, 10-13 and 15-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10-13, 15-20, 22 and 23 is/are allowed.
- 6) ☒ Claim(s) 1, 2, 7, 8 and 21 is/are rejected.
- 7) ☒ Claim(s) 3-5 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Applicant's amendment filed 7/09/2007 has been entered. All pending claims have been carefully reconsidered in view of the amendment.

Response to Arguments

Applicant's arguments, filed 7/09/2007, have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of newly found prior art reference(s).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

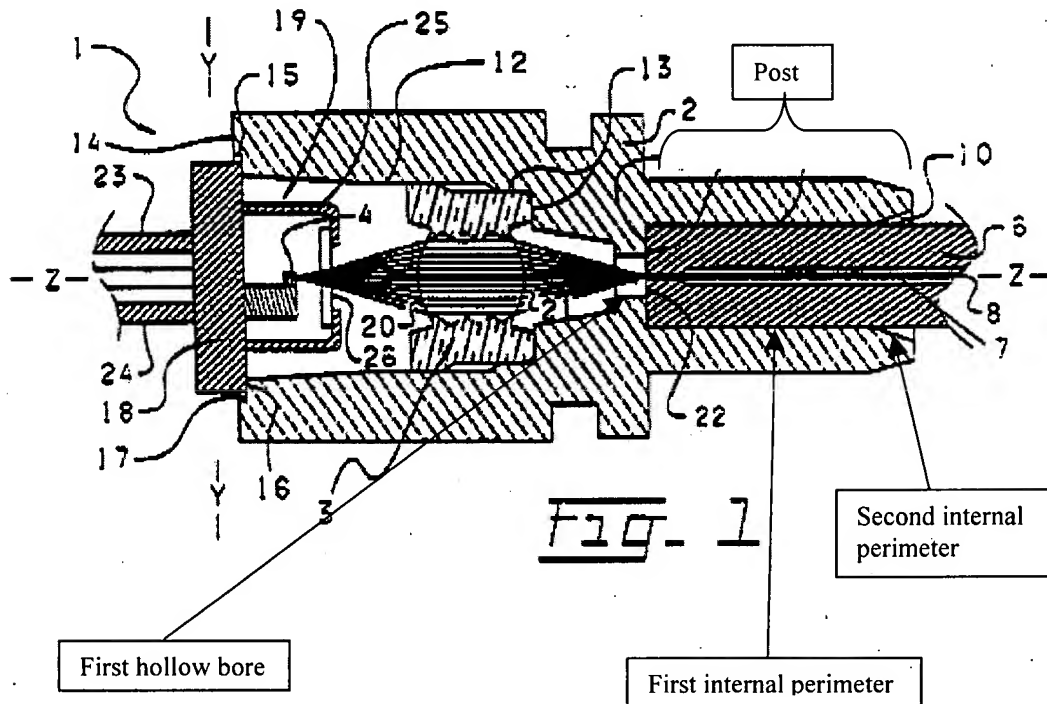
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 7-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Cina et al (US Pat. 5,511,140).

Cina et al. discloses an optical device comprising a first hollow bore extending from a first end toward a second end (see figure below); and a recess coaxially aligned with said first hollow bore (recess is occupied by the ferrule '6' in the figure below), said recess having a first internal perimeter (see figure below), and a second internal perimeter (see figure below), wherein said first perimeter is smaller than said second perimeter, wherein said recess is configured to

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receive a ferrule in friction-fit engagement with a surface of the first perimeter (column 4 lines 35-38); wherein a post extends from a bottom of said recess (see figure below).



Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any

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evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Cina et al (US Pat. 5,511,140).

Cina et al. discloses an apparatus as discussed above. However, *Cina et al.* is silent as to what kind of optical connector is disposed in the "recess" discussed above (see Fig. 1 of *Cina et al.* above). On the other hand, the use of at least one of LC, ST, SC, or FC connectors in optical coupling arrangement is well known and common. Therefore, *Official Notice* is taken by the examiner because the use of at least one of LC, ST, SC, or FC connectors in optical coupling arrangement is so well-known, or common in the art so as to be capable of instant and unquestionable demonstration as being well-known. MPEP 2144.03.

The use of at least one of LC, ST, SC, or FC connectors in optical coupling arrangement is well-known to be advantageous and desirable in the art because it allows for establishing optical coupling with varieties of commonly used optical coupler types in the art, resulting in lower cost and better compatibility. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the device of *Cina et al.* to have at least LC, ST, SC, or FC connectors in the optical coupling arrangement.

Allowable Subject Matter

Claims 10-13, 15-20, 22-23 are allowed.

Claims 3-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: as discussed above, an apparatus having a hollow bore and having a recess with smaller and larger perimeters, is known in the art. However, none of the prior art fairly teaches, *inter alia*, such hollow bore passing through a post and terminating at the end of the post (as claimed in claims 3-4), or wherein the termination region is disposed between the first and second internal perimeter (as claimed in claim 5 or claim 22), or the post member extending up from the bottom wall of the device to a first height and a second bore extending through the post member (as claimed in claim 10).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sung H. Pak whose telephone number is (571) 272-2353. The examiner can normally be reached on Monday- Friday, 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on (571)272-2344. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sung Pak/
Sung H. Pak
Primary Patent Examiner
Art Unit 2874